MAINTAINING A WATCHFUL EYE: GEIS EARNS ACCOLADES FOR HIN1 EFFORTS

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Centers for Disease Control and Prevention (CDC) notified the San Diego County Health and Human a 10-year-old boy, had tested positive for a dangerous strain of influenza known as California also tested positive for H1N1. Meanwhile in Texas, two other cases of this unusual strain of flu were discovered and reported.

Base, Texas.

that DoD had a hand in identifying these and the NHRC represent the Air Force first cases of H1N1 in the United States. and Naval CONUS hubs of GEIS For the past 13 years, DoD has been respectively. tracking the emergence of influenza massive infectious disease surveillance conducted emerging

n April 16, 2009, the U.S. "Because any infectious disease can have a significant impact on DoD's ability to at these many locations were varied and conduct its mission, ongoing infectious disease surveillance is necessary," said Services Agency that one of its residents, Col. Wayne P. Hachey, DO, MPH, and infrastructure improvement director of Preventive Medicine and Surveillance for the Office for the H1N1. At approximately the same time, Assistant Secretary of Defense (Health a nine-year-old female from Brawley, Affairs), Force Health Protection and Readiness.

Emerging Infections Surveillance and Response System (GEIS), an alliance of The common thread that binds these agencies, services, commands, experts, four cases of the H1N1 pandemic is the and individuals working together to Department of Defense (DoD). The track, isolate, and combat diseases California cases were detected thanks which can hinder the effectiveness of to the surveillance efforts of the Naval American forces around the world. Health Research Center (NHRC) in San GEIS became a division of the Armed Diego, California. The Texas cases were Forces Health Surveillance Center discovered as a result of the surveillance (AFHSC), as directed by DoD memo, efforts undertaken by the United in February 2008. Located in Silver States Air Force School of Aerospace Spring, MD, this expanded organization a worldwide team dedicated to fighting Medicine (USAFSAM) in Brooks City- now combines the robust assets of both the Defense Medical Surveillance System with laboratory surveillance world health. In a sense, it should come as no surprise assets managed by GEIS. USAFSAM

surveillance and response activities with operations, it also plays a vital role in

39 partners in 111 countries. Activities included emerging infectious disease (EID) surveillance, technology transfer initiatives, training exercises, and assessment and communication. These sites work together to ensure DoD is prepared to prevent, survey, and respond to emerging influenza strains that may pose a threat to military personnel and At the center of this effort is the Global their families, reduce medical force readiness, and present a risk to U.S. national security.

> This comprehensive global presence places DoD in the unique position to both detect emerging infectious disease, and serve as an effective platform to support U.S. efforts to respond to an international pandemic. In the case of the H1N1 pandemic, this system has made DoD an indispensable member of diseases which could pose a threat to

THE TEAM CONCEPT

Although the first priority for the DoD is to preserve the ability of the U.S. viruses and other diseases through its Globally, in 2008, the GEIS network Armed Forces and civilians to defend infection the nation and sustain current military the National Strategy for Pandemic Influenza Implementation Plan. DoD is directly involved in roughly one-third of the more than 300 critical actions outlined by the Federal government to combat any pandemic.

DoD continues to work closely with those Federal agencies charged with leading the U.S. Government's Pandemic efforts. These include the lead agency for H1N1 preparedness, the Department of Health and Human Services, as well as the Department of Homeland Security, and the Department of State. In addition, DoD's worldwide surveillance assets remain on full alert to in virulence of this virus, working in close cooperation with the CDC and the

for its efforts in identifying and fighting H1N1 and other emerging infectious diseases. In July 2009, the American Journal of Preventive Medicine issued system, referencing it as a "little known national jewel that has repeatedly made

partners."

The Institute of Medicine, part of the National Academy of Sciences, also laboratories and headquarters, has Beneficial effects can be seen from upon receipt. current GEIS efforts in 56 countries to assistits public health partners in building Lt. Col. Hachey also drafted a popular capacity through training and support monitor the spread and detect changes of laboratory and communications infrastructures."

World Health Organization (WHO) in Dr. Patrick W. Kelley, MD, DrPH, of the Institute of Medicine said, "The somewhat unexpected emergence GEIS has earned significant praise from of novel H1N1 in Mexico, rather educate and inform Service members than in the anticipated Asian setting, highlights a lesson learned about the need for comprehensive global. The H1N1 Influenza virus remains influenza surveillance. This is a lesson geographically diverse foreign military could conceivably mutate into a more an official bulletin praising the GEIS health systems may be well-positioned lethal form. The AFHSC/GEIS has to help address...the success of the U.S. the resources, people, and experience DoD system...suggest global influenza to ensure the U.S. military and its notable contributions to global influenza surveillance and response could be more constituents have the information they control through close collaboration with comprehensive and informative if other need to fight and defeat these enemies CDC, the Food and Drug Administration military organizations took advantage... unseen to the naked eye.

(FDA), the WHO, and many other to emulate, extend, and institutionalize the U.S. DoD approach."

In addition it its laboratory and syndromic surveillance efforts, DoD issued the following statement: "The has proactively communicated influenza Global Emerging Infections System, information to its Service members, through its avian influenza/pandemic their families, and other constituent influenza activities at DoD overseas groups utilizing a series of measures. One such measure includes the contributed greatly to the development Pandemic Influenza Watchboard, upon of laboratory and communications which periodic updates and disease infrastructures within partner countries. information are immediately placed

> blog posted to Health.mil, the general Military Health System website, offering comforting and easy to understand tips for identifying and preventing H1N1 and its spread. In addition, DoD has utilized social media outlets, such as Facebook and Twitter, in an effort to and their families.

a dangerously potent disease which